Hosen lighting Technology Limited

200W Beam Moving Head Light
User Manual
HS-MB200

Support Telephone: +86-20-37707017

Support Email: support@hosenlighting.com (QQ、Skype)

Website: http://www.hosenlighting.com

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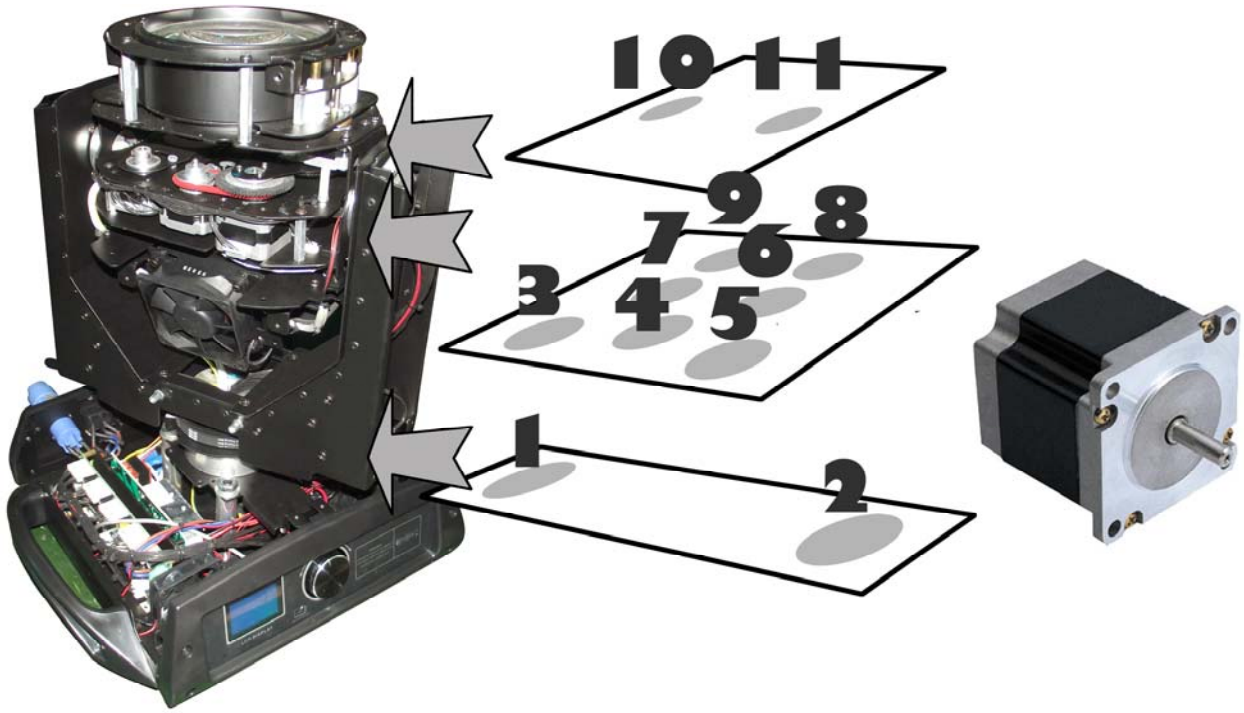
1. Packing List

- 200W beam MovingHead Light 1 pcs
- User Manual 1 pcs

2. Schematic Diagram



Motor NO.	Motor function
1	Tilt
2	Pan
3	Frost effect
4	Prism effect
5	Prism rotate
6	Color wheel
7	Gobo wheel
8	Dimmer + strobe effect
9	
10	Zoom
11	

3. Product Features

- Unlimited programming effects
- Special lighting effect
- Modular & highly portable
- No technical experience required
- Quick and easy installation
- More affordable than any existing solutions
- Over heat protection
- Sealed for long, durable lifetime
- Indoor use in well temperate rooms

4. Specifications

4.1. Physical Specifications

Product Series:	Traditional Stage Lighting
Item No.:	HS-MB200
Lamp:	YODN MSD200R5 / MSD Platinum 5 R 189W
Color temperature:	7800K
Color wheel:	One color wheel, 14 kinds of color chips in one color wheel
Gobo:	17 gobos
Effect Wheel:	Rotatable eight prism, effect move , frost· 0-100% mechanical dimming, mechanical dimming and free dimming availed . strobe macro control viable
DMX Channels:	18CH
Control mode:	Auto-run mode, DMX-512 mode, Sound active mode
Color:	Black
Material:	Plastic
Size:	396x360x495mm
Net Weight:	19.0Kg
Gross Weight:	21.0Kg
Package Quantity:	1pcs
Package Size:	460x380x550mm
IP level :	IP20
Working Temperature:	-25℃~+35℃

4.2. Electrical Specifications

Power:	310W
Voltage:	AC 110-240V 50/60Hz
Service Life:	2200 hours

4.3. Other Specifications

Over heat protection

5. Installation Method

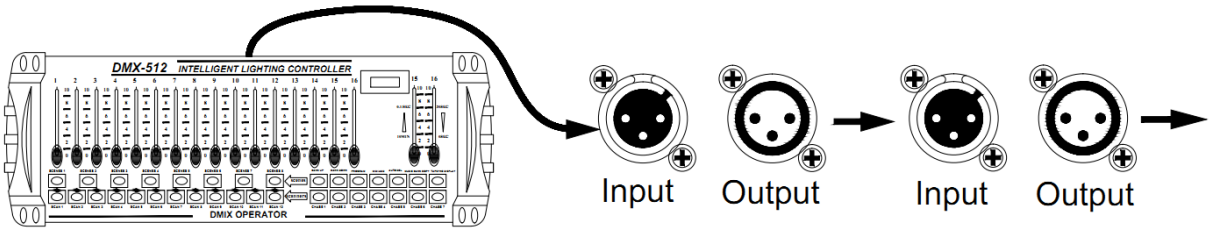
5.1. Installation Steps

1. Please hand this light into the suitable place with suitable angel (if operate the light in external place, please remember to get some water-proof cover to protect them.).
2. To connect the signal cable, plug one side into IN socket in the back of light and plug another side into OUT signal connector in the DMX 512 board(signal input: 1=>Ground, 2=>Data, 3=>data+).
3. To connect the cable and put into power, them the light stay in the status to receive the operation signal like : Music, Automatic, DMX512ect. Take note: Please out off the power line if you will not operate it for a certain time.

5.2. Fixture Linking

To run your light shows of one or more fixtures using DMX-512 controller or to run synchronized shows on two or more fixtures in master/slave operating mode , you need DMX cables to link the units from DMX IN to DMX OUT.

Notice: the length of signal cables should be within 100meters, to prevent the signal interference by other appliances because of the long signal cables.



5.3. AC Power

The fixture is designed to work on 110-240V 50/60Hz.Before applying power to a unit, check that the source voltage matches the unit's requirement.

6. Technical Support

Support Telephone:	+86-20-37707017
Support Email:	support@hosenlighting.com (QQ、MSN as same)
Website:	http://www.hosenlighting.com

Working Time:	(BeiJing Time)		
Monday to Friday	08:00~12:00	13:30~17:30	18:30~20:30
Saturday	09:00~12:00	13:30~17:00	
	Note: all the rest of China's holidays!		

7. Notice

In order to make sure the product is used well, please read the Manual carefully!

- ★ **Please restart it 20 minutes later after turning off light , until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.**
- ★ **If the product not been used for long time, please keep it under normal temperature environment, to avoid damage the element through too dry or too wet environment.**
- ★ **Don't use the product under the hot, cold, dusty or damp environment. Please make sure the temperature of the environment is not high than 35 centi degree.**
- ★ **During usage, don't drop the product or make friction or collide with hard material. Otherwise the surface of the product may be scuffed and the hardware may by damaged.**
- ★ **When installing or moving the product, please protect the lens of the head, to avoid scuff and damage.**
- ★ **Avoiding water drop on the product.**
- ★ **When using the product, don't look at the light directly. This will hurt your eyesight.**
- ★ **Always mount this unit in safe and stable matter.**

★ **Install or dismantle should operate by professional engineer**
★ **Using lamp， the change rate of power voltage should be within±10%,If the voltage is too high,it will shorten the light's life; if it's not enough, will affect the effect.**

8. Disclaimer

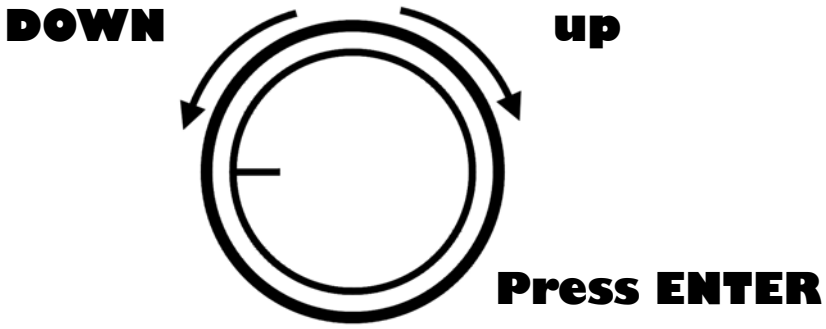
While every care has been taken with the details on this specification sheet, we take no responsibility for any inaccuracies caused during installation. We reserve the right to change these specifications without notice to always ensure that the customer is receiving a superior product.

9. Amendment Log

- 6/30/2012 Refresh and revise the user manual.
- 2012-09-10 Program version 2.0， zoom function. Verision 2.1.9.10

10. Appendix

10.1. LED Display Explanation



Main menu	Sub-menu	
Exit		
DMX Address	Address= [001-512]	
Parameter	Back	
	Control	Standard
		Extended
	Models	Movinghead light
Option	Back	
	X Reverse	Off / On
	Y Reverse	Off / On
	XY Exchange	Off / On
	Dimmer Reverse	Off / On
	Iris Reverse	Off / On

	Turn shortest	Off / On
	Dmx Reset	Off / On
Display	Back	
	Language	English
		简体中文
	Lightness	Lightness=[01-32]
	Poorlight	Constant open
		Dim
		Off
	Display LOGO	Off / On
Man control	Back	
	CH1 000	
	CH2 000	
	CH3 000	
	CH4 000	
	CH5 000	
	CH6 000	
	CH7 000	
	CH8 000	
	CH9 000	
	CH10 000	
	CH11 000	
	CH12 000	
	CH13 000	
	CH14 000	
	CH15 000	
	CH16 000	
	CH17 000	
	CH18 000	
	CH19 000	
	CH20 000	
Test operation	Back	
	Sound	Program Run
	Auto	Program Run
Resume default	Back	
	Enter	
Fixture reset	Back	
	Enter	

10.2. DMX Channel Explanation

Channels	Value	Function
CH1	0-255	Pan: 0-450
CH2	0-255	Tilt: 0-270
CH3	0-255	Pan fine（0-2.1°）
CH4	0-255	Tilt fine（0-1.0°）
CH5	0-255	XY speed (from fast to slow)
CH6	0-255	Dimmer (0-100%)
CH7	0	Off
	1-50	Light on (strobe fine ON : CH6)
	51-240	Strobe effect (from slow to fast)
	241-249	Light on (strobe fine ON : CH6)
	250-253	Off
	254-255	Light on (strobe fine ON: CH6)
CH8	0-255	Frost effect (0-100%)
CH9	0-7	White
	8-15	Color 1
	16-23	Color 2
	24-31	Color 3
	32-39	Color 4
	40-47	Color 5
	48-55	Color 6
	56-63	Color 7
	64-71	Color 8
	72-79	Color 9
	80-87	Color 10
	88-95	Color 11
	96-103	Color 12
	104-111	Color 13
	112-127	Color 14
	128-191	Rainbow effect plus rotate (from slow to fast)
	192-255	Rainbow effect minus rotate (from slow to fast)
CH10	0-127	Color step adjust
	128-255	Color step fine adjust
CH11	0-6	White
	7-13	Gobo 1
	14-20	Gobo 2
	21-27	Gobo 3
	28-34	Gobo 4
	35-41	Gobo 5

	42-48	Gobo 6
	49-55	Gobo 7
	56-62	Gobo 8
	63-69	Gobo 9
	70-76	Gobo 10
	77-83	Gobo 11
	84-90	Gobo 12
	91-97	Gobo 13
	98-104	Gobo 14
	105-111	Gobo 15
	112-118	Gobo 16
	119-127	Gobo 17
	128-191	Rainbow effect plus rotate (from slow to fast)
	192-255	Rainbow effect minus rotate (from slow to fast)
CH12	0-191	Gobo shaking (from slow to fast)
	192-255	No function
CH13	0-31	No function
	32-255	Prism effect
CH14	0-127	Prism position adjusting
	128-191	Prism plus rotate (from fast to slow)
	192-255	Prism minus rotate (from slow to fast)
CH15	0-255	Prism zoom (from small to big)
CH16	0-255	Zoom (from near to far)
CH17	0-99	No function
	100-105	Delay OFF (After the bulb cooled down with the fan, the lamp cut off the power)
	106-199	No function
	200-205	Delay ON (After the bulb cooled down with the fan, the lamp turn on the power)
	206-255	No function
CH18	0-254	No function
	255	Delay reset